

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	250	257/E23.052	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 15:27
L2	427	257/E23.079	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 15:27
L3	4672	257/786	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 15:32
L4	9430	257/778	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 15:38
L5	5794	257/787	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 15:53
L6	1812	257/728	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 16:03
L7	2	257/E29.232	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 16:10
L8	650	257/E25.013	US-PGPUB;	OR	ON	2012/05/08

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			16:13
L9	159	257/E25.018	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 16:16
L10	7432	257/777	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 16:17
L11	2289	257/684	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 16:18
L12	8570	257/686	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 16:20
L13	8597	257/678	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 16:33
L14	2845	257/693	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 16:39
L15	4847	257/698	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 16:49
L16	566	310/313	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2012/05/08 16:56

			IBM_TDB			
L17	1452	333/133	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 17:30
L18	2286	333/193	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 17:39
L19	808	333/194	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 17:40
L20	1701	333/195	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 18:20
L21	646	333/196	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 18:44
L22	9319	438/106	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 19:02
L23	4182	438/109	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 19:06
L24	2154	438/121	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/08 19:08
S1	1	"20050056950"	US-PGPUB; USPAT	OR	OFF	2005/10/31 13:12
S2	289	("led" light near emit\$4 or diode or sensor)	USPAT	OR	ON	2005/10/31

		same substrate with (slop\$3 or indentation or dent\$3)				13:14
S3	1463	("led" light near emit\$4 or diode or sensor) same substrate with (slop\$3 or indentation or dent\$3 or recessed or recess\$3 or depress\$3)	USPAT	OR	ON	2005/10/31 13:14
S4	13	("led" light near emit\$4 or diode or sensor) same substrate with (slop\$3) with (indentation or dent\$3 or recessed or recess\$3 or depress\$3)	USPAT	OR	ON	2005/10/31 13:32
S5	5	("led" light near emit\$4 or diode or sensor) same substrate with (slop\$3) with (indentation or dent\$3 or project\$3 or protrut\$3)	USPAT	OR	ON	2005/10/31 13:33
S6	5	("led" light near emit\$4 or diode or sensor) same substrate with (slop\$3 or wdg\$3) with (indentation or dent\$3 or project\$3 or protrut\$3)	USPAT	OR	ON	2005/10/31 13:33
S7	28	("led" light near emit\$4 or diode or sensor) same substrate with (slop\$3 or hill\$3 or inclin\$3) with (indentation or dent\$3 or project\$3 or protrut\$3)	USPAT	OR	ON	2005/10/31 13:45
S8	5	("20040008326"   "20040021831"   "6259423"   "6741228"   "6805448").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/31 13:39
S9	31	("20040070558"   "4547702"   "4963788"   "4975692"   "5013967"   "5073446"   "5151629"   "5170194"   "5229883"   "5276380"   "5294870"   "5396304"   "5406172"   "5504599"   "5528339"   "5568417"   "5594463"   "5598067"   "5634835"   "5637359"   "5643642"   "5841494"   "5847506"   "5865521"   "5958609"   "6140571"   "6188175"   "6291942"   "6337542"   "6384804"   "RE36060").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/31 13:41
S10	1997	("led" light near emit\$4 or diode or sensor) same substrate with (indentation or dent\$3 or project\$3 or protrut\$3)	USPAT	OR	ON	2005/10/31 13:45
S11	399	("led" light near emit\$4 or diode or sensor) same substrate with (indentation or dent\$3 or project\$3 or protrut\$3) with (layer or film)	USPAT	OR	ON	2005/10/31 13:45
S12	9	("led" light near emit\$4 or diode or sensor) same substrate same (indentation or dent\$3 or project\$3 or protrut\$3) with clad\$3 near (layer or film)	USPAT	OR	ON	2005/10/31 13:46
S13	1	"20050056950"	US-PGPUB; USPAT	OR	ON	2005/11/15 15:12
S14	2	"6580163".pn. or "3868608".pn.	USPAT	OR	OFF	2005/11/28 00:44
S15	327	(semiconductor or die or dice or IC or chip) with saw near filter	USPAT	OR	ON	2006/04/11 13:00
S16	327	(semiconductor or die or dice or IC or chip) with saw near filters	USPAT	OR	ON	2006/04/11 13:49
S17	294	(semiconductor or die or dice or IC or chip) and filters and satellite with receiv\$3 and terrestrial with receiv\$3	USPAT	OR	ON	2006/04/11 13:50

S18	23	(semiconductor or die or dice or IC or chip) and saw with filters and satellite with receive\$3 and terrestrial with receive\$3	USPAT	OR	ON	2006/04/11 13:54
S19	49	("RF" or radio) with (semiconductor or die or dice or IC or chip) and filters and satellite with receive\$3 and terrestrial with receive\$3	USPAT	OR	ON	2006/04/11 16:06
S20	41	S19 not S18	USPAT	OR	ON	2006/04/11 13:55
S21	95	("RF" or radio) with (semiconductor or die or dice or IC or chip) and filters and satellite with receive\$3 and terrestrial	USPAT	OR	ON	2006/04/11 16:07
S22	49	("RF" or radio) with (semiconductor or die or dice or IC or chip) and filters and satellite with receive\$3 and terrestrial with receive\$3	USPAT	OR	ON	2006/04/11 16:17
S23	46	S21 not S22	USPAT	OR	ON	2006/04/11 16:07
S24	55	("RF" or radio) with (semiconductor or die or dice or IC or chip) and filters and satellite and terrestrial with receive\$3	USPAT	OR	ON	2006/04/11 16:18
S25	149	("RF" or radio) with (semiconductor or die or dice or IC or chip) and filters and satellite and terrestrial	USPAT	OR	ON	2006/04/12 12:51
S26	54	S25 not S21	USPAT	OR	ON	2006/04/11 16:18
S27	149	("RF" or radio) with (semiconductor or die or dice or IC or chip) and filter and satellite and terrestrial	USPAT	OR	ON	2006/04/12 12:51
S28	768	("RF" or radio) with (semiconductor or die or dice or IC or chip) and filter and satellite	USPAT	OR	ON	2006/04/12 14:22
S29	619	S28 not S27	USPAT	OR	ON	2006/04/12 12:52
S30	1412	("RF" or radio) with (semiconductor or die or dice or IC or chip) and filter with input and filter with output	USPAT	OR	ON	2006/04/12 14:23
S31	191	("RF" or radio) with (semiconductor or die or dice or IC or chip) same filter with input and filter with output	USPAT	OR	ON	2006/04/12 14:23
S32	238	("RF" or radio) with (semiconductor or die or dice or IC or chip) and (pad or contact or terminal) with filter with input and filter with output with (pad or contact or terminal)	USPAT	OR	ON	2006/04/12 16:49
S33	2	"11269284"	JPO	OR	OFF	2006/04/12 16:08
S34	6	("3755761"   "3831116"   "3858118"   "4054841"   "4115744").FN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/12 16:44
S35	5	("4296391").URPN.	USPAT	OR	OFF	2006/04/12 16:44
S36	52	("RF" or radio) with (semiconductor or die or dice or IC or chip) and (acoustic near wave with filter) and (pad )	USPAT	OR	ON	2006/04/12 17:09
S37	9	("4163201"   "4737742"   "4795934"   "5202652"   "5252882"   "5281883"	US-PGPUB; USPAT;	OR	OFF	2006/04/12 17:00

		"5459368"   "5949305"   "6078229").PN.	USOCR			
S38	5	("6339365").URPN.	USPAT	OR	OFF	2006/04/12 16:57
S39	206	("RF" or radio) with (semiconductor or die or dice or IC or chip) and (acoustic near wave with filter or saw) and (pad )	USPAT	OR	ON	2006/04/12 17:10
S40	89	("RF" or radio) with (semiconductor or die or dice or IC or chip) and (acoustic near wave with filter or saw near device) and (pad )	USPAT	OR	ON	2006/04/12 17:10
S41	144	("RF" or radio or saw) with (semiconductor or die or dice or IC or chip) and (acoustic near wave with filter ) and (pad )	USPAT	OR	ON	2006/04/12 17:15
S42	45	("RF" or radio or saw) with (semiconductor or die or dice or IC or chip) and (acoustic near wave with filter ) and (pad ) and (semiconductor or silicon or "S") with substrate	USPAT	OR	ON	2006/04/12 19:22
S43	4424	257/778	USPAT	OR	OFF	2006/04/13 14:13
S44	286	( acoustic or saw) with (semiconductor or die or dice or IC or chip) and filter and (pad ) and (semiconductor or silicon or "S") with substrate	USPAT	OR	ON	2006/04/12 19:23
S45	2665	257/786	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 18:04
S46	3417	257/686	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 17:18
S47	3	257/E23.052	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 17:17
S48	5	257/E23.079	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 17:18
S49	8	257/E23.052	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 17:17
S50	10	257/E23.079	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2006/09/14 17:18

			EPO; JPO; DERWENT; IBM_TDB			
S51	3732	257/686	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 17:18
S52	2829	257/786	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 18:46
S53	5447	257/778	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 18:46
S54	473	310/313	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 20:08
S55	1465	333/193	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 20:26
S56	664	333/194	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 20:38
S57	2944	257/786	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 20:49
S58	5712	257/778	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 20:49
S59	20	257/E23.052	US-PGPUB; USPAT;	OR	OFF	2007/05/13 21:51

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S60	31	257/E23.079	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/13 21:51
S61	3030	257/786	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/13 21:53
S62	5954	257/778	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/13 22:12
S63	4198	257/686	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/13 22:12
S64	33	257/E23.052	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 18:47
S65	42	257/E23.079	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 18:47
S66	3168	257/786	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 19:32
S67	6238	257/778	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 20:02



S68	4463	257/686	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 20:02
S69	793	("Stop-Band" or stopband or stop near band) near Attenuation	USPAT	OR	ON	2008/02/26 18:26
S70	790	("Stop-Band" or stopband or stop near band) near Attenuation and (filter)	USPAT	OR	ON	2008/02/26 18:27
S71	360	("Stop-Band" or stopband or stop near band) near Attenuation and (filter) and (semiconductor or chip or die or dice or IC)	USPAT	OR	ON	2008/02/26 18:27
S72	207	("Stop-Band" or stopband or stop near band) near Attenuation and (filter) same (semiconductor or chip or die or dice or IC)	USPAT	OR	ON	2008/02/26 18:27
S73	41	257/E23.052	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/26 19:43
S74	85	257/E23.079	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/26 19:52
S75	3283	257/786	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/26 19:56
S76	6482	257/778	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/26 19:57
S77	4775	257/686	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/26 21:09
S78	1	"20050056950"	US-PGPUB; USPAT	OR	ON	2009/02/25 18:53
S79	28	SAW near filter with stopband	USPAT	OR	ON	2009/02/26 16:02
S80	0	(every or all) with SAW near filter with stopband	USPAT	OR	ON	2009/02/26 16:03

S81	0	(every or all) with SAW near filter same stopband	USPAT	OR	ON	2009/02/26 16:03
-----	---	---	-------	----	----	------------------

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L25	3	438/121	UPAD	OR	ON	2012/05/08 19:25
L26	7	438/109	UPAD	OR	ON	2012/05/08 19:26
L27	2	438/106	UPAD	OR	ON	2012/05/08 19:26
L28	0	333/133	UPAD	OR	ON	2012/05/08 19:27
L29	1	333/193	UPAD	OR	ON	2012/05/08 19:27
L30	0	333/194	UPAD	OR	ON	2012/05/08 19:27
L31	1	333/195	UPAD	OR	ON	2012/05/08 19:27
L32	0	333/196	UPAD	OR	ON	2012/05/08 19:27
L33	3	310/313	UPAD	OR	ON	2012/05/08 19:28
L34	0	257/E23.052	UPAD	OR	ON	2012/05/08 19:28
L35	0	257/E23.079	UPAD	OR	ON	2012/05/08 19:28
L36	0	257/E25.013	UPAD	OR	ON	2012/05/08 19:29
L37	0	257/E25.018	UPAD	OR	ON	2012/05/08 19:29
L38	2	257/786	UPAD	OR	ON	2012/05/08 19:29
L39	5	257/778	UPAD	OR	ON	2012/05/08 19:29
L40	0	257/728	UPAD	OR	ON	2012/05/08 19:30
L41	0	257/787	UPAD	OR	ON	2012/05/08 19:30
L42	1	257/777	UPAD	OR	ON	2012/05/08 19:30
L43	7	257/686	UPAD	OR	ON	2012/05/08 19:30
L44	0	257/684	UPAD	OR	ON	2012/05/08 19:31
L45	0	257/678	UPAD	OR	ON	2012/05/08 19:31
L46	4	257/698	UPAD	OR	ON	2012/05/08 19:31
L47	1	257/693	UPAD	OR	ON	2012/05/08 19:32

5/ 8/ 2012 7:32:46 PM

C:\Users\cchu\Documents\EAST\Workspaces\10691212.wsp